

ACCESS SERVICE

15. Advanced Communications Services15.1 DSL Service15.1.1 General

Digital Subscriber Line (DSL) service provides high-speed transmission service over loop facilities. The regulations and rates specified herein are in addition to the regulations and rates specified in other sections of this tariff. Frontier offers two forms of DSL Service: ADSL and SDSL.

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(N)15.1.2 Responsibility of the Telephone Company

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The Telephone Company will provision and maintain DSL service for the customer from the Network Interface Device (NID) to the DSL connection point. The Telephone Company will advise the end user customer of the equipment necessary to support DSL service.

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(C)15.1.3 Rights of the Telephone Company

The Telephone Company will not provision DSL service if the Telephone Company reasonably determines that (a) it is not technically feasible over existing facilities, or (b) it will cause interference problems with existing services.

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Equipment at the Customer Designated Premises must meet Telephone Company specifications.

During the Telephone Company's network maintenance and software update periods, it may be necessary to place the DSL wire center out of service. The Telephone Company reserves the right to temporarily interrupt DSL Service at other times in emergency situations.

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(C)15.1.4 DSL Access Port

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The DSL Access Port charges are for connection to the ADSL and SDSL Services only. A DSL Access Port will be available at the DSL connection points specified by the Telephone Company. The DSL Access Port is available as a DS1 or DS3 interface. The ISP Customer will generally need to obtain transport from the DSL Access Port to the ISP Customer's location. Such transport may be obtained by ordering services from Section 5 of this tariff for connection to the DSL Access Port. Rates and charges for the DSL Access Port are set forth in Section 15.4.1.

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ACCESS SERVICE

15. Advanced Communications Services (Cont'd)15.2 ADSL Service15.2.1 Service Description

This section contains the rules and regulations pertaining to the provision of Asymmetrical Digital Subscriber Line (ADSL) service. ADSL service is an access data technology offering. The Telephone Company currently offers ADSL service at the nominal speed levels of 1.0 Mbps down/128 Kbps up. The "up" speed represents transmission speed from the customer designated premise (CDP) to the Telephone Company's DSL connection point, while the "down" speed represents transmission speed from the Telephone Company's DSL connection point to the CDP. The connection point is the aggregation point designated by the Telephone Company for connecting multiple Telephone Company serving wire centers of DSL terminations to other Telephone Company provided network interface services.

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ADSL Service consists of ADSL Channels, which connect a customer designated premise to the DSL connection point; DSL Access Ports, which allow the aggregation of traffic from multiple ADSL Channels onto the same facility; and Permanent Virtual Circuits (PVCs), which define logical connections between ADSL Channels and DSL Ports. While the Telephone Company envisions that ADSL Channels and PVCs will generally be purchased by end users and DSL Access Ports will generally be purchased by Internet Service Providers (ISPs), there is no restriction as to what type of customer may order the various rate elements. Use of the terms "end user customer" to mean the customer purchasing the ADSL Channel and "ISP customer" to mean the customer purchasing the DSL Access port are meant only to clarify rate relationships and are not meant to limit customer choices.

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15.2.2 ADSL Channel

The ADSL Channel is provisioned over existing Telephone Company copper facilities and transported to the Telephone Company's backbone network. The ADSL Channel provides a connection from the CDP to the DSL connection point. The ADSL Channel does not include the existing copper facilities.

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The rates and charges for the ADSL Channel, found in Section 15.4.2, are in addition to basic local exchange service. A customer who obtains local exchange service from the Telephone Company's local or general exchange tariff may obtain ADSL Channel service utilizing the same copper facilities as the basic local exchange service.

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The Telephone Company will qualify the ADSL Service between the CDP and the serving wire center. The purpose of qualification is to determine the availability and suitability of existing Telephone Company copper facilities to provide the service. The Telephone Company will not provision this service on facilities that are not suitable for ADSL. See Section 15.1.3 preceding.

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ACCESS SERVICE

15. Advanced Communications Services (Cont'd)15.2 ADSL Service (Cont'd)15.2.2 ADSL Channel (Cont'd)

ADSL will be provided subject to the availability and limitation of Telephone Company wire centers and outside plant facilities and is only available where technical capabilities permit. Downstream data rates depend on a number of factors, including but not limited to (1) the distance from the CDP to the serving wire center, (2) the type of loop facility, and (3) the physical plant.

Each customer may select up to three Permanent Virtual Circuits (PVCs) to be associated with the ADSL Channel. Each PVC represents a virtual connection between the ADSL Channel and a DSL Access Port.

The Telephone Company does not undertake to originate data, but offers the use of its service components, where available, to customers for the purpose of transporting customer-originated data.

15.2.3 Responsibility of the Customer

The end user customer is responsible for providing compatible Customer Premises Equipment (CPE) that is used for connection to ADSL service.

The ISP customer is responsible for providing the Telephone Company with the necessary information to provision the DSL Access Port.

The customer ordering ADSL Channel Service on behalf of its subscriber(s) must obtain a letter of agency. The customer will be responsible for obtaining permission from its subscriber(s) for the Telephone Company's agents or employees to enter the customer's designated locations at a reasonable hour for the purpose of installing, inspecting, repairing, or upon termination of the service, removing the service components of the Telephone Company.

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ACCESS SERVICE

15. Advanced Communications Services (Cont'd)15.2 ADSL Service (Cont'd)15.2.4 Rate Elements

A nonrecurring charge and a monthly rate apply for the installation of ADSL service. A nonrecurring charge is also applicable when making changes, i.e., bandwidth, access provider, or move.

ADSL service is available in service level packages, and is based on the downstream and upstream speeds chosen by the customer. Service level packages are defined by the downstream and upstream speeds. Currently available service level packages are:

Package	Downstream	Upstream
ADSL	1.0 Mbps	128 Kbps

Data speeds set forth above are peak speeds. Actual speeds may be affected by loop distance and other factors, and are not guaranteed.

15.3 SDSL Service15.3.1 Service Description

This section contains the rules and regulations pertaining to the provision of Symmetrical Digital Subscriber Line (SDSL) service. SDSL service is an access data technology offering. The Telephone Company offers SDSL service, where available, at the nominal speed levels of 144 Kbps, 256 Kbps, 512 Kbps, 768 Kbps, 1.024 Mbps and 1.544 Mbps. These speeds represent transmission between the customer designated premise (CDP) and the Telephone Company's DSL connection point, with transmission speeds being the same in both directions. The connection point is the aggregation point designated by the Telephone Company for connecting multiple Telephone Company serving wire centers of SDSL terminations to other Telephone Company provided network interface services.

SDSL Service consists of SDSL Channels, which connect a customer designated premises to the DSL connection point; DSL Access Ports, described in Section 15.1.4 of this Tariff; and Permanent Virtual Circuits (PVCs), which define logical connections between SDSL Channels and DSL Ports or between SDSL Channels.

Where a service is ordered with a minimum term commitment, the regulations in Section 5.4.8 of this tariff apply to the discontinuation of such service.

Certain regulations on this page formerly appeared on Page 329.

Certain rates previously found on this page can now be found on Page 333.

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ACCESS SERVICE

15. Advanced Communications Services (Cont'd)15.3 SDSL Service (Cont'd)15.3.2 SDSL Channel

The SDSL Channel is provisioned over Telephone Company copper facilities and transported to the Telephone Company's backbone network. The SDSL Channel provides a connection from the CDP to the SDSL connection point. Each SDSL Channel requires that copper facilities between the CDP and the Wire Center serving the CDP be dedicated to the SDSL service. In contrast to the ADSL Channel described in Section 15.2.2 of this tariff, the SDSL Channel does not share copper facilities with basic local exchange service.

The Telephone Company will qualify the SDSL Service between the CDP and the serving wire center. The purpose of qualification is to determine the availability and suitability of existing Telephone Company copper facilities to provide the service. The Telephone Company will not provision this service on facilities that are not suitable for SDSL. See Section 15.1.3 preceding.

SDSL will be provided subject to the availability and limitation of Telephone Company wire centers and outside plant facilities and is only available where technical capabilities permit. Data rates depend on a number of factors, including but not limited to (1) the distance from the CDP to the serving wire center, (2) the type of loop facility, and (3) the physical plant.

Each customer must select one Permanent Virtual Circuit (PVC) to be associated with the SDSL Channel. The PVC represents a virtual connection between the SDSL Channel and a DSL Access Port, or between two SDSL Channels of the same nominal speed. No more than one PVC may be associated with each SDSL Channel.

The Telephone Company does not undertake to originate data, but offers the use of its service components, where available, to customers for the purpose of transporting customer-originated data.

15.3.3 Responsibility of the Customer

The customer is responsible for providing compatible Customer Premises Equipment (CPE) that is used for connection to SDSL service. When a customer reports a trouble to the Telephone Company for clearance and Telephone Company personnel are dispatched to the customer's designated premises but no trouble is found in the Telephone Company's facilities or equipment, the customer shall be responsible for payment of a Maintenance of Service Charge as set forth in 15.4.3 following. Failure of Telephone Company personnel to find trouble in Telephone Company facilities and equipment will result in no charge if the trouble is actually in those facilities or equipment but was not discovered at the time. The customer will be responsible for payment of a Maintenance of Service charge when the Telephone Company dispatches personnel and the trouble is in equipment or communications systems provided by parties other than the Telephone Company, or in detariffed CPE provided by the Telephone Company.

ACCESS SERVICE

15. Advanced Communications Services (Cont'd)15.3 SDSL Service (Cont'd)15.3.3 Responsibility of the Customer (Cont'd)

The customer ordering SDSL Channel Service on behalf of its subscriber(s) must obtain a letter of agency. The customer will be responsible for obtaining permission from its subscriber(s) for the Telephone Company's agents or employees to enter the customer's designated locations at a reasonable hour for the purpose of installing, inspecting, repairing, or, upon termination of the service, removing the service components of the Telephone Company.

15.3.4 Rate Regulations

The SDSL Channel rate element is available on a month to month basis, or at lower monthly rates with minimum term commitments. A customer purchasing multiple SDSL channels may be eligible for lower rates based on the volume billed. The following conditions apply to volume discounts:

At the time the Telephone Company processes the customer's bill, the number of SDSL Channels associated with the customer's account at each customer premise will be determined. All qualifying SDSL Channels will be billed at the rate appropriate for the volume of channels on the customer's bill at each customer premise. An SDSL Channel considered "on the bill" if it is in service on the bill date.

All SDSL channels provided at speeds of 144 Kbps, 256 Kbps, 512 Kbps, 768 Kbps, 1.024 Mbps, and 1.544 Mbps on a single bill and at a given customer premise will qualify for inclusion in the volume discount.

ACCESS SERVICE

15. Advanced Communications Services (Cont'd)15.3 SDSL Service (Cont'd)15.3.5 Rate Elements

Monthly recurring charges apply for SDSL service, and nonrecurring charges apply to installation or move of the service. A nonrecurring charge is also applicable when changing a service from one data rate to another or when changing the Permanent Virtual Circuit (e.g., changing ISPs). The rates and charges for SDSL Service can be found in Section 15.4.3.

SDSL service is available in service level packages, and is based on the data transmission speeds chosen by the customer. Service level packages are defined by the data transmission speeds. Currently available service level packages are:

SDSL Channel, 144 Kbps
SDSL Channel, 256 Kbps
SDSL Channel, 512 Kbps
SDSL Channel, 768 Kbps
SDSL Channel, 1.024 Mbps
SDSL Channel, 1.544 Mbps

Data speeds set forth above are peak speeds. Actual speeds may be affected.

15.4 Rates and Charges15.4.1 DSL

DSL Access Port	Recurring <u>Bill Code</u>	Monthly <u>Rate</u>	Nonrecurring <u>Bill Code</u>	Nonrecurring <u>Charge</u>
DS1 Port, per port	DSLPT1	\$ 350.00	DSLNRC1	\$250.00
DS3 Port, per port	DSLPT3	\$1,700.00	DSLNRC3	\$680.00

15.4.2 ADSL

ADSL Channel	Recurring <u>Bill Code</u>	Monthly <u>Rate</u>	Nonrecurring <u>Bill Code</u>	Nonrecurring <u>Charge</u>
ADSL	DL128	\$39.95	ADSL	\$00.00

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ACCESS SERVICE

15. Advanced Communications Services (Cont'd)15.4 Rates and Charges (Cont'd)15.4 SDSL

SDSL Channel	Recurring Bill Code	Monthly Rate	Nonrecurring Bill Code	Nonrecurring Charge
SDSL Channel, Month to Month				
SDSL Channels billed:				
144 Kbps	SL144	\$ 75.00	SLSU1	\$299.00
256 Kbps	SL256	\$105.00	SLSU1	\$299.00
512 Kbps	SL512	\$150.00	SLSU1	\$299.00
768 Kbps	SL768	\$220.00	SLSU1	\$299.00
1.024 Mbps	S1024	\$245.00	SLSU1	\$299.00
1.544 Mbps	SL1.5	\$295.00	SLSU1	\$299.00
SDSL Channel, 12 month plan:				
144 Kbps	S1441	\$ 65.00	SLSU1	\$299.00
256 Kbps	S2561	\$ 90.00	SLSU1	\$299.00
512 Kbps	S5121	\$130.00	SLSU1	\$299.00
768 Kbps	S7681	\$190.00	SLSU1	\$299.00
1.024 Mbps	S1021	\$220.00	SLSU1	\$299.00
1.544 Mbps	S1.51	\$260.00	SLSU1	\$299.00
SDSL Channel, 24 month plan:				
144 Kbps	S1442	\$ 60.00	SLSU2	\$199.00
256 Kbps	S2562	\$ 80.00	SLSU2	\$199.00
512 Kbps	S5122	\$120.00	SLSU2	\$199.00
768 Kbps	S7682	\$175.00	SLSU2	\$199.00
1.024 Mbps	S1022	\$200.00	SLSU2	\$199.00
1.544 Mbps	S1.52	\$230.00	SLSU2	\$199.00
SDSL Channel, 36 month plan:				
144 Kbps	S1443	\$ 50.00		\$0.00
256 Kbps	S2563	\$ 70.00		\$0.00
512 Kbps	S5123	\$115.00		\$0.00
768 Kbps	S7683	\$160.00		\$0.00
1.024 Mbps	S1023	\$190.00		\$0.00
1.544 Mbps	S1.53	\$215.00		\$0.00

ACCESS SERVICE

15. Advanced Communications Services (Cont'd)15.4 Rates and Charges (Cont'd)15.4 SDSL (Cont'd)

SDSL Channel	Nonrecurring Bill Code	Nonrecurring Charge
SDSL Channel, all terms & quantities: Change of PVC	ISPC	\$100.00
Maintenance of Service Charge - per tech dispatched when no trouble is found in Telephone Company facilities or equipment		\$ 95.00
Volume Discount for SDSL Channels 3 to 5 channels per premise		10%
6 or more channels per premise		15%